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Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
Feb. 1, 1981

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SNOW SURVEYORS MAKING SPECIAL MEASUREMENTS OF
THE SNOWPACK NEAR MT. ST. HELENS VOLCANO, WASHINGTON, APRIL 1980.*

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.





Irrigators May Face a Water Shortage This Year

SNOW COURSE MEASUREMENTS MADE ON FEBRUARY 1, 1981, INDICATE THAT LOW FLOWS WILL OCCUR IN MANY STREAMS. STUDY THE ATTACHED WATER SUPPLY FORECAST CAREFULLY FOR STREAM FLOW AND/OR RESERVOIR STORAGE FIGURES THAT CONCERN YOUR AREA. KEEP IN TOUCH WITH YOUR IRRIGATION DISTRICT OR OTHER OFFICIALS FOR ESTIMATES OF THE SUPPLY AVAILABLE TO YOU. YOU MAY FIND YOU'LL NEED TO CHANGE CROPS, REDUCE PLANTED ACREAGE, ADJUST TIMING OF WATER APPLICATION, OR IMPROVE EFFICIENCY OF YOUR WATER DISTRIBUTION SYSTEM.

THESE ARE SOME OF THE EARLY DECISIONS AND PLANS YOU MAY HAVE TO MAKE:

CHANGE CROPS

Plant crops which require less water.

REDUCE ACREAGE

Reduce your crop acreage. This will help you make better use of your water as well as reduce the amount of seed and fertilizer you need to buy. Be sure to use cover crops to prevent wind erosion on land you don't irrigate.

CONSIDER ENERGY COSTS

Even if you are able to pump supplemental water, you should compare inflated energy costs with anticipated crop earnings. You may be money ahead to reduce acreage or change crops.

CHECK IRRIGATION SYSTEM

Check your irrigation systems carefully. Make certain that ditches have no water-wasting weeds or debris to slow delivery, sprinkler heads don't have leaks, pipes have tight connections, and pumps work properly. If new parts or equipment are needed, buy them early.

PLANT BEST LAND

Plant only your best land - it makes most efficient use of water. If your soil has been mapped, local Soil Conservation Service (SCS) personnel can guide you. If not, they can still give you general information.

TECHNICAL ASSISTANCE?

Maintain close contact with the Soil Conservation Service or your local Conservation District for the latest water supply forecast, and for soil information. SCS has water conservation pamphlets and other information that can help irrigators get by with less water.

COST-SHARE OR LOANS?

Maintain close contact with local offices of Agricultural Stabilization and Conservation Service (ASCS) and the Farmers Home Administration (FmHA). If a drought situation develops, funds might be made available for cost-sharing or loans to help you apply special water conservation practices.

**CROPS, FEED, FERTILIZER, OR
MARKETING QUESTIONS?**

Contact your local Cooperative Extension Service office for crop selection alternatives, fertilizer recommendations, feed supply conditions, and marketing outlook.

SCS, ASCS, AND FmHA ARE LISTED IN THE PHONE BOOK UNDER "U.S. GOVERNMENT, AGRICULTURE, DEPARTMENT OF." COOPERATIVE EXTENSION SERVICE IS USUALLY LISTED WITH LOCAL COUNTY OFFICES.

WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

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RENO, NEVADA

In Cooperation with

ROLAND D. WESTERGARD
DIRECTOR
DEPARTMENT OF CONSERVATION AND
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CARSON CITY, NEVADA
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Report prepared by

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All averages are for 1963-77 period.

WATER SUPPLY OUTLOOK FOR NEVADA

* * * * *
*
* SNOW COURSE MEASUREMENTS TAKEN FOR FEBRUARY 1 INDICATE SNOW WATER *
* CONTENTS ARE ONLY 40 TO 70 PERCENT OF THE AVERAGE FOR THIS TIME OF *
* YEAR. THEREFORE, ALL STREAMS AND RIVERS AFFECTING NEVADA ARE PRE- *
* DICTED TO HAVE CONSIDERABLY BELOW AVERAGE STREAMFLOWS THIS SUMMER. *
* ALL ARE PREDICTED TO HAVE LESS THAN 70 PERCENT OF AVERAGE FLOWS *
* UNLESS ABOVE AVERAGE SNOWFALL OCCURS DURING THE REMAINDER OF THE *
* SEASON. WATER USERS WILL NEED TO SUPPLEMENT WATER SUPPLIES FROM *
* RESERVOIR STORAGE. THOSE WITH ONLY DIRECT DIVERSION FROM STREAMS *
* WILL HAVE SHORT WATER SUPPLIES. *
*
* * * * *

SIERRA EAST SLOPE

Snow course measurements indicate the water contents in the snowpack are considerably below average. The Truckee Basin has 58 percent of average, the Tahoe Basin 59 percent, the Carson Basin 69 percent and the Walker Basin 65 percent. There was very little storm activity until January 23-30. This week a large storm deposited 5 to 12 inches of snow water. These amounts are near the average monthly amounts for January. However, with very little snowpack before, there still remains a below average snowpack for water supplies. Some of the largest snow water increases during the month were Squaw Valley with 12.1 inches of water, Ward Creek #3 with 11.0 inches, Ebbetts Pass with 11.6 inches, and Sonora Pass with 7.4 inches.

Reservoir storage is near average in most reservoirs except Lake Tahoe. The useable storage in Lake Tahoe is now 355,000 acre-feet as compared to an average of 479,000 acre-feet. Last year on February 1 there was 211,000 acre-feet after the large storm of January 8-17, 1980.

The total precipitation (rain and snow) since October 1, 1980, is much below last year. For example, last year the precipitation at Ward Creek for October 1 through February 1 was 49.7 inches while this year there has been 20.8 inches. This is representative of most data sites.

Streams providing Nevada surface water supplies are predicted to have much below average flows this summer. Most are forecast below 70 percent of average. Water provided by direct diversions from streams will be most limited. Water users with reservoir storage will need nearly all available storage to supplement supplies this summer.

HUMBOLDT

Snow Course measurements and aerial marker readings indicate the snowpack is near 50 percent of average for February 1. The storm at the end of January increased the area covered with snow but there was very little increase in snow water.

All streams are predicted to have flows considerably below average. Above average snowfall and precipitation is needed before average flows can be anticipated. The Humboldt River continued to have above average flow during January.

Rye Patch reservoir contains 159,000 acre-feet of water, considerably more than last year's 103,000 acre-feet. The irrigated area served by this reservoir has the best water supply in the State. Water users with direct diversions will have limited amounts of water if present conditions continue.

OWYHEE AND SNAKE

Aerial markers and snow course measurements in these basins indicate that snow water contents are quite low. The Owyhee is only 33 percent of average and the Snake is only 46 percent of average. This is the lowest snowpack on February 1 since 1977.

Wild Horse Reservoir contains 49,000 acre-feet compared to an average of 30,000 acre-feet. Last year there was 36,000 acre-feet.

Streams are forecast to flow 50 percent of average. Average snowfall is necessary to sustain these forecasts.

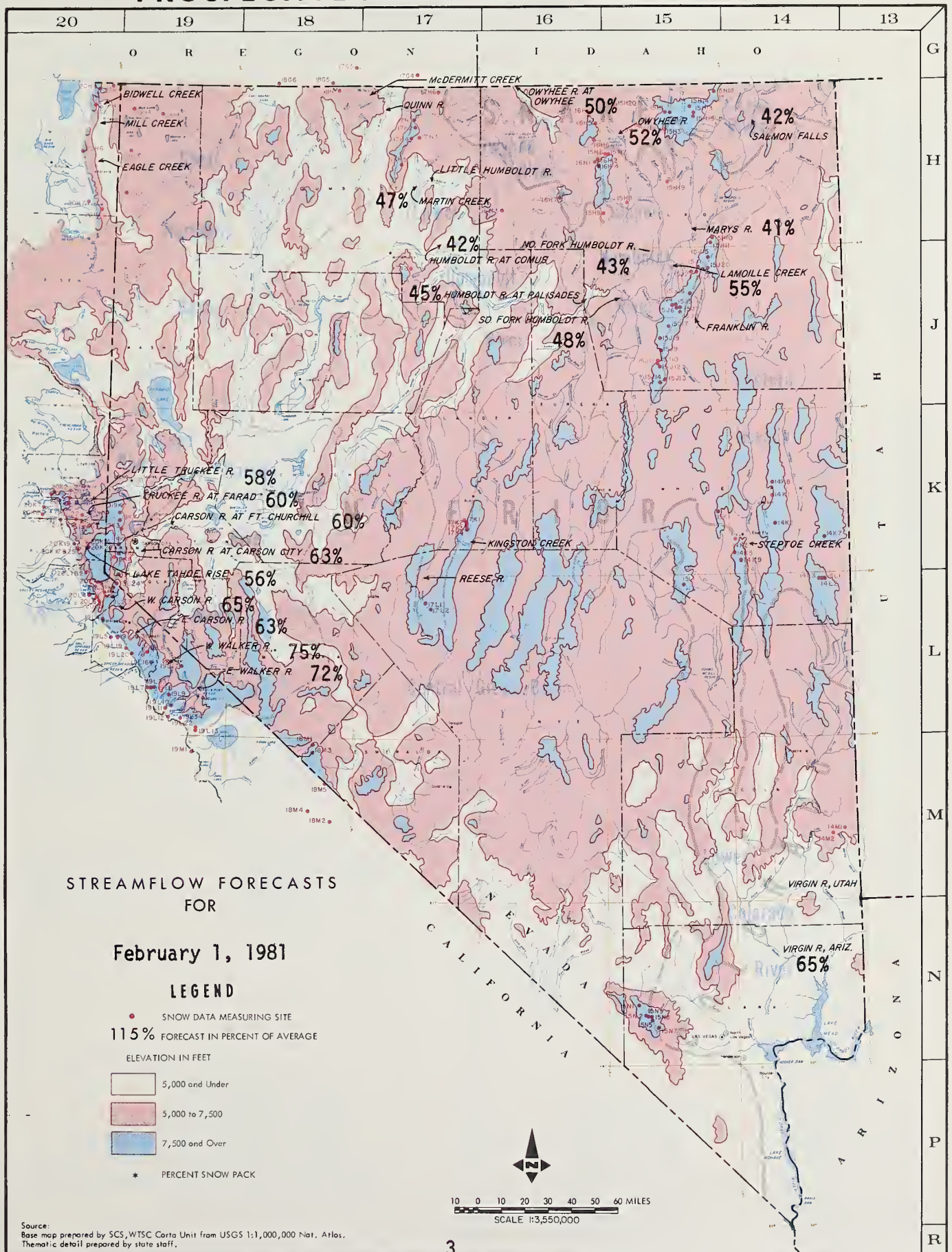
NORTHERN GREAT BASIN

Snow course measurements and aerial marker readings indicate the snowpack is 60 percent of average in these areas. The snowpack is only 40 percent of last year for February 1. Above average snowfall is needed to attain near average streamflow this spring and summer.

EASTERN NEVADA

Only a limited number of snow courses were read but measurements taken in this area indicate a limited amount of snowpack. Measurements indicate snow water contents are less than last year. Above average snowfall is needed to provide any runoff this spring and summer.

PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES

(By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H15MA	Bear Creek	31	46N	58E	7800
15H2	Fox Creek	33	46N	58E	6800
15H135A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
15H20a	Merritt Mountain	10	46N	54E	7000
15H145A	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H35A	76 Creek	6	44N	58E	7100
15H19a	5tag Mountain	32	41N	58E	7800

OWYHEE RIVER					
15H45M	Big Bend	30	45N	56E	6700
16H6a	Columbia Basin	31	44N	53E	6650
16H8a5	Fawn Creek	2	45N	52E	7000
15H5	Gold Creek	32	45N	56E	6600
16H1M	Jack Creek, Lower	18	42N	53E	6800
16H25AM	Jack Creek, Upper	9	42N	53E	7250
16H45	Jacks Peak	21	42N	53E	8420
16H55	Laurel Oraw	20	45N	53E	6700
17G4a	Louse Canyon (OR)	27	40S	44E	6400
15H9MP5	Taylor Canyon	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	American Beauty	32	31N	58E	7800
15J125A	Corral Canyon	27	28N	57E	8500
15J15M	Oorsey Basin	28	35N	60E	8100
15J3	Ory Creek	5	34N	60E	6500
15M7	Fry Canyon	31	43N	54E	6700
15J95M	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J4	Lamoille #1	15	32N	58E	7100
15J65	Lamoille #3	24	32N	58E	7700
15J8P	Lamoille #5	31	32N	59E	8700
15J20	Pole Canyon #2	6	34N	61E	7700
15J16a	Robinson Lake	23	33N	59E	9200
15H6MP	Rodeo Flat	36	43N	53E	6800
15J2	Ryan Ranch	1	34N	59E	5800
15J19	Smith Creek	26	30N	57E	7600
15H8	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

LOWER HUMBOLDT RIVER

17K1	Big Creek Campground	10	17N	43E	6600
17K45	Big Creek Summit	35	17N	43E	8700
17K2	Big Creek Mine	23	17N	43E	7600
17K3	Big Creek, Upper	26	17N	43E	7800
17H25	Bucks skin, Lower	25	45N	39E	6700
17H1	Bucks skin, Upper	11	45N	39E	8200
17L1	Corral, Lower	12	11N	40E	7500
17L2	Corral, Upper	20	11N	41E	8000
17J2	Golconda #2	22	35N	39E	6000
17H45	Granite Peak	22	44N	39E	7800
17H55	Lamance Creek	13	42N	38E	6000
17H3	Martin Creek	13	44N	39E	6700
16H3AP	Midas	18	39N	46E	7200
16H7a	Toe Jam	29	40N	50E	7700

EASTERN NEVADA

14L1	Baker #1	29	13N	69E	7950
14L2	Baker #2	30	13N	69E	8950
14L3	Baker #3	25	13N	68E	9250
14K25	Berry Creek	26	17N	65E	9100
14K1	Bird Creek	34	19N	65E	7500
14K9a	Defiance Mines	9	14N	63E	9200
15J155	Hole-in-Mountain	6	35N	61E	7900
14K8	Kalamazoo Creek	34	20N	65E	7400
14K3	Murray Summit	25	16N	62E	7250
15K1	Robinson Summit	34	18N	61E	7600
14K7	Silver Creek #2	30	16N	69E	8000
14K55	Ward Mountain #2	25	15N	62E	8900

CENTRAL GREAT BASIN

18M2	Campito Mountain (CA)	19	55	35E	10200
18M5a	Chiatovich Flat (CA)	32	25	34E	10500
15N2	Clark Canyon	8	19S	56E	9000
18M1	Montgomery Pass	4	1N	33E	7100
18M3a	Pinchot Creek (CA)	28	1N	33E	9300
18M4a	Piute Pass (CA)	33	45	33E	11700
15N1	Trough Springs	23	18S	55E	8500

NORTHERN GREAT BASIN

19H1a	Bald Mountain	17	45N	21E	6270
20H5	Barber Creek (CA)	23	39N	16E	6500
20H65	Cedar Pass (CA)	12	43N	14E	7100
18G6a	Denio Creek (OR)	14	41S	34E	6000
18H15	Disaster Peak	8	47N	34E	6500
20H3a5	Dismal Swamp (CA)	31	48N	17E	7000
20H7	Eagle Peak (CA)	35	40N	15E	7200
19H3	49 Mountain	7	42N	19E	6000
19H2	Hays Canyon	1	39N	18E	6400
19H4a	Little Bally Mountain	8	45N	19E	6000
20H9	Mt. Bidwell (CA)	6	47N	16E	7200
20H10	North Star (CA)	13	47N	16E	6200
17G5a	Oregon Canyon (OR)	9	40S	40E	7240
17H6a	Quinn Ridge	9	47N	41E	6300
20H4	Reservation Creek (CA)	12	46N	15E	5900
18G5a	Trout Creek (OR)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
LAKE TAHOE					
20L65	Echo Peak (CA)	35	12N	17E	7800
20L5	Echo Summit (CA)	6	11N	18E	7450
20L105	Fallen Leaf (CA)	36	13N	17E	6300
19L2	Fresel Bench (CA)	36	12N	18E	7300
19K6	Glenbrook #2	13	14N	18E	6900
19L3M5	Hagans Meadow (CA)	36	12N	18E	8000
19L245	Heavenly Valley (CA)	1	12N	18E	8850
20L4	Lake Lucille (CA)	28	12N	17E	8200
19K4M5	Marlette Lake	18	15N	19E	8000
20L3	Richardsons #2 (CA)	6	12N	18E	6500
20L1	Rubicon #1 (CA)	6	13N	17E	8100
20L25	Rubicon #2 (CA)	6	13N	17E	7500
20K16	Tahoe City (CA)	6	15N	17E	6250
20K26	Tahoe City Alt. (CA)	7	15N	17E	6300
20K275	Tahoe City Cross (CA)	1	15N	16E	6750
19L1	Upper Truckee (CA)	21	12N	18E	6400
20K255	Ward Creek (CA) #3	21	15N	16E	6750
20K17	Ward Creek #2 (CA)	21	15N	16E	7000

TRUCKEE RIVER

20K14	Boca #2 (CA)	28	18N	17E	5900
20K22	Brockway Summit (CA)	3	17N	16E	7100
20K21	Donner Park #2 (CA)	18	17N	16E	6000
20K10	Donner Summit (CA)	25	17N	14E	6900
20K7*	Fordyce Lake (CA)	34	18N	13E	6500
20K8*	Furnace Flat (CA)	10	17N	13E	6700
20K4M5	Independence Camp (CA)	34	19N	15E	7000
20K35	Independence Creek (CA)	14	19N	15E	6500
20K55	Independence Lake (CA)	9	18N	15E	8450
19K3	Little Valley	17	16N	19E	6300
19K25	Mt. Rose	7	17N	19E	9000
19K75	Mt. Rose Ski Area	30	17N	19E	9000
20K6	Sage Hen Creek (CA)	7	18N	16E	6500
20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
20K135	Truckee #2 (CA)	22	17N	16E	6400
20K2*	Webber Lake (CA)	29	19N	14E	7000
20K1*	Webber Peak (CA)	30	19N	14E	8000

CARSON RIVER

19L55	Blue Lakes (CA)	30	9N	19E	8000
19L4	Carson Pass, Upper (CA)	22	10N	18E	8600
19K5	Clear Creek	6	14N	19E	7300
19L19A5	Ebbetts Pass (CA)	17	8N	20E	8700
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L065	Poison Flat (CA)	25	8N	21E	7900
19L315	Wet Meadows #2 (CA)	26	9N	19E	8050
19L18A	Wet Meadows Lake (Cal.)	26	9N	19E	8100
19L20a	Wolf Creek (Cal.)	35	8N	20E	8000

WALKER RIVER

19L11	Buckeye Forks (CA)	20	4N	23E	8500
19L10	Buckeye Roughs (CA)	15	4N	23E	7900
19L12	Center Mountain (CA)	4	3N	23E	9400
19L85	Leavitt Meadows (CA)	4	5N	22E	7200
19L175A	Loddell Lake (CA)	20	7N	24E	9200
19L34	Sawmill Ridge (CA)	17	3N	24E	8750
19L7	Sonora Pass (CA)	1	5N	21E	8800
19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
19M1*	Tioga Pass (CA)	30	1N	25E	9900
19L13	Virginia Lakes (CA)	5	2N	25E	9500
19L22M5	Virginia Lakes Ridge (CA)	32	2N	25E	9200
19L9	Willow Flat (CA)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER

15N5	Kyle Canyon	27	19S	56E	8200
15N3	Lee Canyon #2	9	19S	56E	9200
15N8	Lee Canyon #3	10	19S	56E	8500
14M1	Mathew Canyon	10	6S	70E	6000
14M2	Pine Canyon	23	6S	69E	6200
15N7	Rainbow Canyon #2	6	20S	57E	8100
15L1	White River #1	31	13N	59E	7400

LEGEND

NUMERING SYSTEM (EXAMPLE)

19K4	Snow Course Only
19K45	Snow Course with SNOTEL
19K4M	Snow Course and Soil Moisture
19K4A	Snow Course and Aerial Marker
19K4P	Snow Course and Storage Precipitation Gage
19K4MA	Snow Course, Soil Moisture and Aerial Marker
19K4MP	Snow Course, Soil Moisture, and Precipitation Gage

Lower case letter "a" indicates no snow course, only an Aerial Marker.
SNOTEL has telemetered data for snow pillow, precipitation gage, and temperature. * Adjacent basin

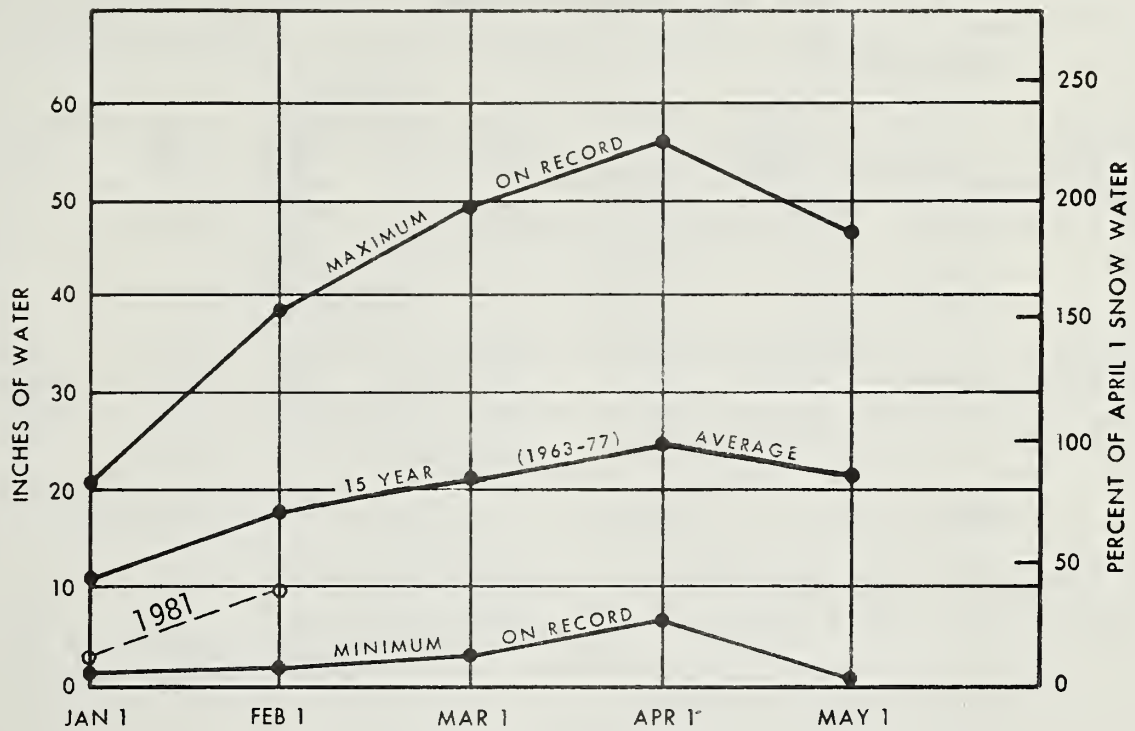
WINTER SNOWPACK

TAHOE, TRUCKEE, CARSON & WALKER BASINS

CALIFORNIA - NEVADA

1981

Data based on 9 long term Snow Courses



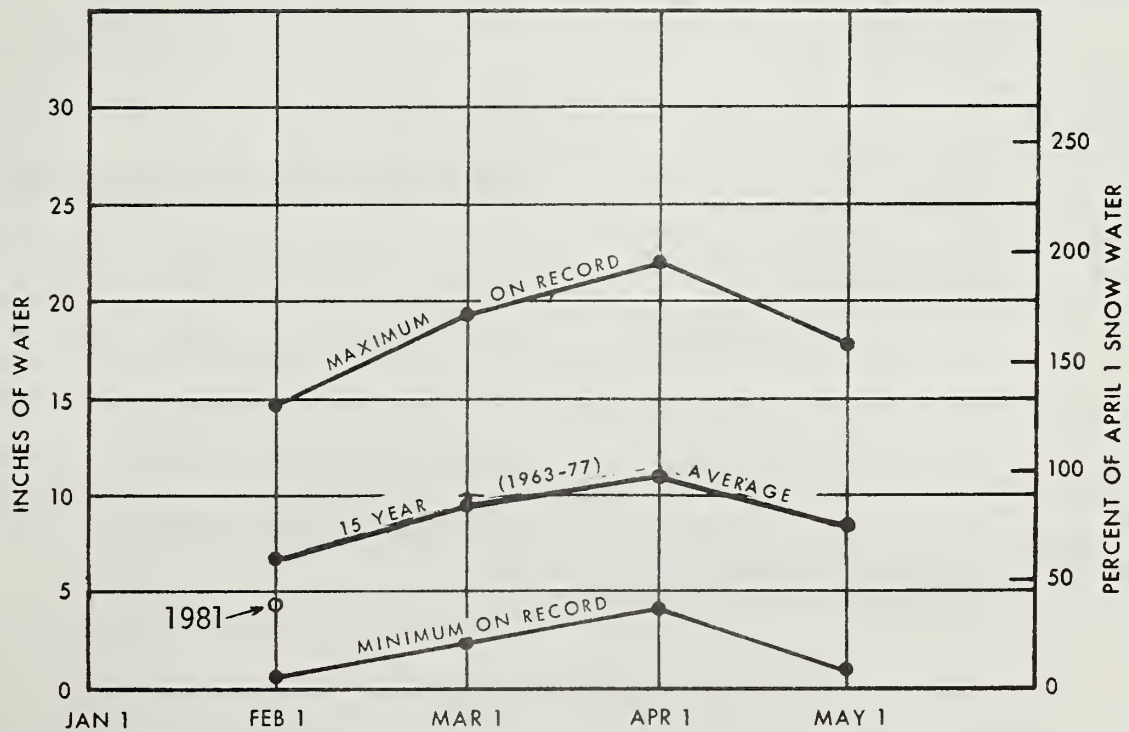
WINTER SNOWPACK

UPPER HUMBOLDT & SNAKE BASINS

NEVADA

1981

Data based on 13 selected Snow Courses



STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1981

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1963-77 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
<u>TRUCKEE RIVER</u>				
Truckee River at Farad, CA ^{1/}	April-July	165	60	273
Lake Tahoe Rise in Feet (assuming gates closed)	April 1 to	0.8	56	1.42
Little Truckee River above Boca, CA	April-July	50	58	86
<u>CARSON RIVER</u>				
East Carson near Gardnerville, NV	April-July	125	63	187
West Carson at Woodfords, CA	April-July	35	65	53
Carson River near Carson City, NV	April-July	115	63	183
Carson River near Fort Churchill, NV	April-July	100	60	167
<u>WALKER RIVER</u>				
East Walker near Bridgeport, CA ^{2/}	April-Aug.	50	72	69
West Walker near Little Walker near Coleville, CA	April-July	110	75	146
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, NV	April-July	16	55	29
S. Fork Humboldt above Dixie Creek, NV	April-July	35	48	73
Marys River above Hot Springs, NV	April-July	15	41	37
N. Fork Humboldt at Devils Gate, NV	April-July	15	43	35
Humboldt River at Palisade, NV	April-July	100	45	221
Humboldt River at Comus, NV	April-July	75	42	178
Martin Creek near Paradise, NV	April-July	7	47	15
<u>SNAKE RIVER</u>				
Owyhee River near Gold Creek, NV ^{3/}	April-July	12	52	23
Owyhee River near Owyhee, NV ^{3/}	April-July	40	50	80
Salmon Falls Creek near San Jacinto, NV	March-July	38	42	90
	March-Sept.	40	42	95
<u>COLORADO RIVER</u>				
Virgin River at Littlefield, AZ	April-June	31	65	48

NOTE: Streamflow forecasts which appear in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service in an effort to provide the best possible forecasting service to water users.

^{1/} Observed flow plus change in storage in Boca, Stampede and Frosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

^{2/} Observed flow plus change in storage in Bridgeport Reservoir.

^{3/} Observed flow plus change in storage in Wild Horse Reservoir.

+1963-77 Period.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1981

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
Owyhee	Wild Horse	72	49	36	30
Lower Humboldt	Rye Patch	172	159	103	111
Colorado	Mohave	1,810	1,698	1,741	1,660
Colorado	Mead	26,159	23,439	22,789	17,580
Tahoe	Tahoe	732	355	219	479
Truckee	Boca	41	17	16	19
Truckee	Stampede**	220	142	83	118*
Truckee	Prosser***	30	9	10	7
Carson	Lahontan	291	211	236	214
West Walker	Topaz	59	33	34	37
East Walker	Bridgeport	42	35	32	31

* Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	883	430	786
January 1	793	432	844
February 1	859	676	920
March 1		795	968
April 1		875	1,010
May 1		937	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.
 TOTAL USABLE CAPACITY 1,409

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Peak flow forecasts not issued until March 1, 1981.		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Low flow forecast not issued until March 1, 1981.			

SATELLITE SNOW COVER

TAHOE-TRUCKEE, CARSON AND WALKER BASINS

February 1, 1981



SCALE 1:2,000,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON D.C.

<u>BASIN</u>	<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
TAHOE-TRUCKEE	November 27, 1980	8.0%	November 29, 1979	7.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	62.0%	January 26, 1980	30.0%
CARSON	November 27, 1980	3.0%	November 29, 1979	7.0%
	December 28, 1980	6.0%	December 27, 1979	31.0%
	February 1, 1981	33.0%	January 26, 1980	15.0%
WALKER	November 27, 1980	9.0%	November 29, 1979	3.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	52.0%	January 26, 1980	25.0%

SATELLITE SNOW COVER
HUMBOLDT RIVER ABOVE COMUS, NEVADA
 February 1, 1981



<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 27, 1980	43.0%	November 27, 1979	71.0%
December 26, 1980	4.0%	December 26, 1979	81.0%
February 1, 1981	89.0%	January 30, 1980	100.0%

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

LAKE TAHOE

Echo Peak (CA)	7,800	2/02/81	55	14.9	34.5	-
Echo Summit (CA)	7,450	1/30/81	63	12.0	23.1	23.7
Fallen Leaf (CA)	6,300	2/03/81	20	4.3	2.3	-
Freel Bench (CA)	7,300	2/02/81	21	4.4	7.9	9.1
Glenbrook #2	6,900	2/01/81	24	5.3	7.4	8.0
Hagan's Meadow (CA)	8,000	2/02/81	36	8.8	14.6	12.7
Heavenly Valley (CA)	8,800	2/02/81	41	9.5	23.4	19.1*
Marlette Lake	8,000	1/31/81	46	9.4	17.0	14.2
Richardsons #2 (CA)	6,500	2/01/81	27	6.1	8.2	11.2
Rubicon #2 (CA)	7,500	1/31/81	57	13.1	21.5	-
Tahoe City Cross (CA)	6,750	1/30/81	42	6.9	9.8	-
Upper Truckee (CA)	6,400	2/02/81	20	4.0	3.9	-
Ward Creek #2 (CA)	7,000	1/29/81	70	14.4	32.9	6.5
Ward Creek #3 (CA)	6,750	2/02/81	59	17.4	24.4	22.7*

Summary: Total Snow Courses - 9

Snow Water Content Inches

Percent of Last Year, Average

(87.3) (158.9) (147.2)
(55%) (59%)

TRUCKEE RIVER

Boca #2 (CA)	5,900	2/01/81	17	3.0	2.3	5.1
Brockway Summit (CA)	7,100	1/26/81	29	10.0	14.9	13.5
Castle Creek (CA)b	7,400	1/29/81	90	18.3	35.6	34.6
Donner Park #2 (CA)	6,000	2/01/81	31	6.1	7.0	12.0
Donner Summit (CA)	6,900	1/29/81	64	11.2	26.2	23.3*
Fordyce Lake (CA)b	6,500	1/31/81	60	18.4	22.3	20.7
Furnace Flat (CA)b	6,700	2/02/81	75	23.0	31.1	24.9
Independence Camp (CA)	7,000	1/31/81	40	8.0	13.5	16.8
Independence Creek (CA)	6,500	1/31/81	33	7.3	6.6	8.7
Independence Lake (CA)	8,450	1/31/81	65	14.3	37.4	-
Little Valley	6,300	1/29/81	19	2.8	1.3	-
Mount Rose	9,000	1/31/81	40	10.1**	27.3	-
Mount Rose Ski Area	8,850	2/02/81	71	18.1	37.2	26.7*
Sage Hen Creek (CA)	6,500	1/26/81	6	1.9	8.3	12.4
Squaw Valley #2 (CA)	7,500	1/31/81	82	19.0	39.4	32.9
Squaw Valley Gold Coast (CA)	8,200	2/01/81	84	19.8**	-	-
Truckee #2 (CA)	6,400	1/26/81	11	3.0	8.6	10.2

Summary: Total Snow Courses - 7

Snow Water Content Inches

Percent of Last Year, Average

(72.7) (132.2) (125.5)
(55%) (58%)

Note: Snow courses read 1/26/81 not included in determining averages.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

CARSON RIVER

Blue Lakes (CA)	8,000	2/01/81	72	15.6	25.7	21.5
Carson Pass, Upper (CA)	8,600	2/02/81	61	14.4	26.4	22.8
Clear Creek	7,300	1/30/81	29	2.3	8.4	-
Ebbetts Pass AM (CA)	8,700	2/02/81	61	15.9 _a	36.5 _a	21.3
Ebbetts Pass #2 (CA)	8,700	2/02/81	65	17.0	35.8	-
Fish Valley, Upper AM (CA)	8,050	2/02/81	24	5.3 _a	10.2 _a	10.3
Monitor Pass AM (CA)	8,350	2/02/81	41	8.6 _a	-	-
Poison Flat #2 (CA)	7,900	2/02/81	41	8.9	13.1	11.1
Spratt Creek (CA)	6,100	1/31/81	14	3.2**	-	-
Wet Meadows Lake AM (CA)	8,050	2/02/81	63	14.5 _a	24.2 _a	17.7
Wet Meadows #2 (CA)	8,050	2/02/81	68	16.0	29.4	-
Wolf Creek AM (CA)	8,000	2/02/81	54	11.9 _a	23.6 _a	20.4
Summary: Total Snow Courses - 7						
Snow Water Content Inches				(86.5)	(159.7)	(125.1)
Percent of Last Year; Average					(54%)	(69%)

WALKER RIVER

Buckeye Roughs (CA)	7,900	2/02/81	33	6.8	13.4	-
Center Mountain (CA)	9,400	2/02/81	64	13.9	33.2	25.8
Leavitt Lake (CA)	9,400	2/02/81	73	18.3	-	-
Leavitt Meadows (CA)	7,200	2/02/81	26	6.0	3.9	-
Lobdell Lake (CA)	9,200	2/02/81	40	8.1	14.4	12.2*
Sawmill Ridge (CA)	8,750	2/02/81	39	7.5	14.2	-
Sonora Pass (CA)	8,800	2/02/81	48	11.2	18.7	16.4
Sonora Pass Bridge (CA)	8,800	2/02/81	47	10.3	19.3	-
Tioga Pass (CA)	9,900				28.7	17.4
Virginia Lakes (CA)	9,500	2/02/81	39	8.2	15.3	10.4
Virginia Lakes Ridge (CA)	9,200	2/02/81	37	7.0	16.0	10.2
Willow Flat (CA)	8,250	2/02/81	25	5.6	7.8	-
Summary: Total Snow Courses - 5						
Snow Water Content Inches				(48.4)	(97.6)	(75.0)
Percent of Last Year; Average					(50%)	(65%)

NORTHERN GREAT BASIN

Bald Mountain AM	6,720	2/01/81	9	1.1	5.0 _a	0.9*
Barber Creek (CA)	6,500	1/27/81	8	1.6	9.5	8.3
Cedar Pass (CA)	7,100	1/26/81	12	2.6	13.6	10.6*
Denio Creek AM (OR)	6,000	2/02/81	14	2.8 _a	-	0.5*
Disaster Peak	6,500	1/31/81	12	2.7**	-	-
Dismal Swamp #2 (CA)	7,000	1/31/81	50	13.2**	21.1 _a	10.6*
49 Mountain	6,000	1/30/81	11	1.6	3.4	2.7
Hays Canyon	6,400	1/27/81	5	0.9	2.4	2.8
Little Bally Mountain AM	6,000	2/01/81	12	1.4 _a	4.0	2.2*
Oregon Canyon AM (OR)	7,240	NS			-	4.0*
Quinn Ridge AM	6,300	2/02/81	3	0.4 _a	-	1.5*
Reservation Creek (CA)	5,900	1/30/81	26	5.6	8.0	8.0
Trout Creek AM (OR)	7,800	2/02/81	20	4.2 _a	-	4.6*
Summary: Total Snow Courses - 8						
Snow Water Content Inches				(28.0)	(67.0)	(46.1)
Percent of Last Year; Average					(42%)	(61%)

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

SNAKE RIVER

Bear Creek	7,800	2/03/81	25	5.3 _a	14.0	13.6
Goat Creek	8,800	1/28/81	21	4.0	12.3	11.9
Hummingbird Springs	8,945	NS	-	-	-	15.5
Merritt Mountain AM	7,000	2/03/81	24	5.0 _a	3.4 _a	4.2*
Pole Creek Ranger Station	8,330	1/29/81	24	5.0	14.0	13.3
Seventy Six Creek	7,100	2/03/81	18	3.8 _a	8.8	7.8
Stag Mountain AM	7,700	2/03/81	10	2.1 _a	3.4 _a	3.7*
Summary: Total Snow Courses - 6						
Snow Water Content Inches				(25.2)	(55.9)	(54.5)
Percent of Last Year; Average					(45%)	(46%)

OWYHEE RIVER

Big Bend	6,700	1/28/81	11	2.2	6.0	6.1
Columbia Basin AM	6,650	2/03/81	9	1.8 _a	5.4 _a	6.9
Fawn Creek #2 AM	7,050	2/03/81	18	3.8 _a	-	-
Gold Creek	6,600	1/28/81	5	0.6	4.0	3.9
Jack Creek, Lower	6,800	NS	-	-	-	-
Jack Creek, Upper	7,250	2/03/81	16	3.5 _a	6.1	4.2
Jack Creek #2, Upper	7,250	1/31/81	20	5.1**	-	-
Jacks Peak	8,420	NS	-	-	14.7	-
Laurel Draw	6,700	1/31/81	10	1.2**	6.8	5.7*
Louse Canyon AM (OR)	6,440	2/02/81	16	3.2 _a	-	2.3*
Taylor Canyon	6,200	2/02/81	7	0.9	3.8	4.0
Summary: Total Snow Courses - 6						
Snow Water Content Inches				(10.2)	(32.1)	(30.8)
Percent of Last Year; Average					(32%)	(33%)

UPPER HUMBOLDT RIVER

America Beauty AM	7,800	2/03/81	19	4.0 _a	2.6 _a	6.5*
Corral Canyon	8,500	2/03/81	25	5.3 _a	9.2	6.9*
Dorsey Basin	8,100	1/31/81	22	4.5**	8.9	-
Dry Creek	6,500	NS	-	-	1.5	-
Fry Canyon	6,700	2/02/81	14	3.6	5.9	5.2
Green Mountain	8,000	NS	-	-	6.4	-
Lamoille #1	7,100	2/03/81	19	3.7	5.9	5.7
Lamoille #3	7,700	2/03/81	18	3.9	6.9	8.1
Lamoille #5	8,700	2/03/81	34	7.6	21.7	17.1
Robinson Lake AM	9,200	2/03/81	42	8.8 _a	20.4 _a	19.9*
Rodeo Flat	6,800	2/02/81	12	2.9	4.3	4.1
Tent Mountain AM, Lower	7,000	2/03/81	9	1.9 _a	2.6 _a	-
Tent Mountain AM, Upper	8,350	2/03/81	34	7.1 _a	7.9 _a	-
Tremewan Ranch	5,700	2/02/81	3	0.5	0.8	1.2
Trout Creek, Upper AM	8,500	2/03/81	4	0.8 _a	7.2 _a	12.0
Summary: Total Snow Courses - 10						
Snow Water Content Inches				(40.6)	(84.9)	(86.7)
Percent of Last Year; Average					(48%)	(47%)

† 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †

LOWER HUMOLDT RIVER

Buckskin, Lower	6,700	2/03/81	9	1.9 _a	-	-
Buckskin, Upper	8,200	2/03/81	12	2.5 _a	-	-
Golconda #2	6,000	NS	-	-	3.6	1.3*
Granite Peak	7,800	2/03/81	35	7.4 _a	-	-
Lamance Creek	6,000	2/03/81	16	3.2 _a	-	-
Martin Creek	6,700	2/03/81	17	3.6 _a	-	-
Midas AM	7,200	2/03/81	12	2.4 _a	0.1 _a	2.1*
Toe Jam AM	7,700	2/03/81	9	1.9 _a	6.5 _a	6.7*
Summary:	Total Snow Courses - 2					
	Snow Water Content Inches			(4.3)	(6.6)	(8.8)
	Percent of Last Year; Average				(65%)	(49%)

EASTERN NEVADA

Baker #1	7,950	1/31/81	14	3.0	4.1	-
Baker #2	8,950	1/31/81	33	6.5	9.6	-
Baker #3 AM	9,250	NS	-	-	9.3 _a	9.2
Berry Creek	9,100	1/28/81	27	6.8	-	-
Bird Creek	7,500	1/27/81	11	2.0	-	-
Defiance Mines AM	9,400	NS	-	-	10.0 _a	12.1*
Hole-in-Mountain	7,900	2/03/81	10	2.1 _a	-	-
Kalamazoo Creek	7,400	1/29/81	13	2.7	3.7	-
Murray Summit	7,250	1/27/81	1	0.1	-	-
Robinson Summit	7,600	1/26/81	1	0.1	-	-
Silver Creek #2 AM	8,000	NS	-	-	8.0 _a	4.8*
Ward Mountain #2	7,400	1/31/81	31	6.9**	4.8 _a	5.1*
Summary:	Total Snow Courses -					
	Snow Water Content Inches				Insufficient Data	
	Percent of Last Year; Average					

CENTRAL GREAT BASIN

Montgomery Pass	7,100	1/29/81	6	0.5	0.0	1.1*
Summary:	Total Snow Courses - 1					
	Snow Water Content Inches				Insufficient Data	
	Percent of Last Year; Average					

LOWER COLORADO RIVER

Corduoy Flat AM	8,720	1/27/81	8	1.8 _a	-	-
Ella Mountain AM	7,050	1/27/81	0	0.0 _a	-	-
Lee Canyon #2	9,000	1/28/81	5	0.7	-	-
Mathew Canyon AM	6,000	1/27/81	0	0.0 _a	1.5 _a	1.3*
Mt. Wilson AM	8,050	1/27/81	2	0.5 _a	-	-
Pine Canyon AM	6,200	1/27/81	0	0.0 _a	-	-
White River AM	7,400	1/27/81	6	1.4 _a	-	-
Summary:	Total Snow Courses -					
	Snow Water Content Inches				Insufficient Data	
	Percent of Last Year; Average					

† 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

DESERT RESEARCH INSTITUTE MEASUREMENTS

TAHOE-TRUCKEE BASIN

Alder Creek	6,960	2/03/81	51	13.0	16.0	-
Apollo Way	7,300	1/31/81	41	7.8	12.7	-
Bennett Flat	6,200	2/03/81	26	6.0	8.5	-
Davis Creek	5,160	1/31/81	7	1.2	0.0	-
Evergreen Hills Road	5,700	1/30/81	18	2.8	0.5	-
Galena Creek	7,440	1/30/81	52	11.7	15.0	-
Hennes Pass Junction	6,410	2/03/81	27	6.4	8.0	-
Hobart Mills	5,850	2/03/81	18	3.9	3.9	-
Incline Lake	8,000	1/31/81	41	9.0	21.9	-
Jones Creek	6,000	1/30/81	16	2.4	0.5	-
Mount Rose Resort	8,280	1/30/81	66	15.3	27.5	-
North Star Fire Department	6,320	2/01/81	25	4.3	4.5	-
Reindeer Lodge	7,060	1/30/81	36	6.2	11.5	-
RNR Test Site	6,400	1/30/81	24	4.1	6.7	-
Sky Tavern	7,620	1/30/81	42	8.1	15.3	-
Spooner Summit	7,620	1/31/81	32	7.0	11.6	-
Squaw Valley Fire Department	6,240	2/01/81	34	7.5	8.4	-
Tahoe City	6,240	2/01/81	31	6.5	-	-
Tahoe Meadows	8,540	1/30/81	76	17.7	36.3	-
Tamarack Lake	8,820	1/30/81	61	14.6	30.3	-
Third and Incline Creeks	6,235	1/31/81	18	3.3	2.2	-
Thunder Cliff	6,200	2/01/81	29	6.0	6.5	-
Truckee Airport	5,900	2/01/81	14	2.5	2.9	-
Whites Creek	5,670	1/30/81	13	2.2	0.4	-

a Aerial Marker

b Located on adjacent basin

* Less than 15 year record

** SNOTEL provisional, depth estimated

NS Not surveyed this month

NOTE: All averages based on 1963-77
15 year period. Forecast period is
April 1 through July 31 unless other-

NOTE: All averages based on 1963-77, 15 year period. Forecast period is
April 1 through July 31 unless otherwise noted.

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>TAHOE-TRUCKEE</u>							
Echo Peak (CA)	7,800	1/31/81	5.5	25.7	14.1	48.6	18.2
Fallen Leaf (CA)	6,240	1/31/81	5.1	16.1	9.9	28.6	12.0
Hagan's Meadow (CA)	8,000	1/31/81	6.3	12.5	8.7	25.0	13.8
Heavenly Valley (CA)	8,800	1/31/81	5.8	11.7	10.4	22.3	11.9
Independence Camp (CA)	7,000	1/31/81	6.5	14.0	11.7	25.9	14.3
Independence Creek (CA)	6,500	1/31/81	6.0	10.8	10.4	18.9	9.7
Independence Lake (CA)	8,450	1/31/81	8.5	17.1	16.5	32.2	9.3
Marlette Lake	8,000	1/31/81	6.6	13.7	11.9	23.2	12.5
Mt. Rose	9,000	1/31/81	4.4	13.5	11.0	23.8	13.8
Mt. Rose Ski Area	8,850	1/31/81	10.2	24.1	18.1	40.3	18.5
Rubicon #2 (CA)	7,500	1/31/81	7.3	-	13.1	-	-
Squaw Valley Gold Coast (CA)	7,800	1/31/81	9.9	-	20.3	-	-
Tahoe City Cross (CA)	6,750	1/31/81	7.1	16.8	12.8	28.8	13.3
Truckee #2 (CA)	6,400	1/31/81	7.0	-	10.4	21.9	9.8
Ward Creek #3 (CA)	6,750	1/31/81	11.0	25.8	20.8	49.7	22.8
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	1/31/81	8.8	15.1	15.2	31.5	-
Ebbetts Pass #2 (CA)	8,700	1/31/81	9.8	19.8	17.7	37.9	20.6
Leavitt Meadows (CA)	7,200	1/31/81	6.1	15.0	12.2	24.5	15.6
Lobdell Lake (CA)	9,200	1/31/81	4.0	8.2	9.0	15.4	8.8
Pine Nut Creek (CA)	6,600	2/02/81	1.8	-	3.7	-	-
Poison Flat (CA)	7,900	1/31/81	6.0	14.1	10.0	22.1	16.4
Sonora Pass Bridge (CA)	8,800	1/31/81	7.6	14.0	12.3	25.6	14.4
Spratt Creek (CA)	6,080	1/31/81	5.9	-	11.1	-	-
Virginia Lakes Ridge (CA)	9,200	1/31/81	4.7	10.6	8.7	18.7	11.8
Wet Meadows #2 (CA)	8,050	1/31/81	9.4	16.7	-	33.3	12.8

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	1/31/81	1.3	-	4.0	-	-
Buckskin, Lower	6,700	1/31/81	1.0	-	6.2	-	-
Corral Canyon	8,500	1/31/81	2.1	5.6	6.3	12.2	10.6
Dorsey Basin	8,100	1/31/81	2.0	5.2	7.4	11.8	10.6
Fry Canyon	6,700	2/02/81	1.5	-	6.0	-	-
Granite Peak	7,800	1/31/81	2.6	-	8.7	-	-
Green Mountain	8,000	Not Surveyed	-	4.2	-	9.5	12.5
Lamance Creek	6,000	1/31/81	2.0	-	7.2	-	-
Lamaille #3	7,700	1/31/81	1.9	-	6.2	12.2	9.4
Martin Creek	6,700	Not Surveyed	-	-	-	-	-
Rodeo Flat	6,800	2/02/81	1.2	3.5	4.7	9.5	6.7
Trout Creek, Lower	6,900	Not Surveyed	-	-	-	-	-
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	1/31/81	1.8	8.0	8.1	15.7	11.5
Big Bend	6,700	1/31/81	1.2	4.2	5.0	9.6	6.6
Fawn Creek #2	7,000	1/31/81	2.3	-	9.4	-	-
Goat Creek	8,800	1/31/81	2.4	-	6.7	-	-
Jack Creek #2, Upper	7,250	1/31/81	2.0	4.8	8.7	12.4	10.2
Jacks Peak	8,420	Not Surveyed	-	-	-	19.1	12.5
Laurel Draw	6,700	1/31/81	1.6	4.9	7.2	13.9	9.6
Pole Creek Ranger Station	8,330	1/31/81	1.4	-	4.8	-	-
Seventy Six Creek	7,100	1/31/81	1.5	4.9	5.3	11.7	7.8
Taylor Canyon	6,200	1/31/81	0.8	3.8	2.3	6.1	4.5
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	1/31/81	2.0	-	6.2	-	-
Hole-in-Mountain	8,900	Not Surveyed	-	-	-	-	-
Ward Mountain	8,900	1/31/81	3.1	-	7.2	-	-

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
NORTHERN GREAT BASIN							
Cedar Pass (CA)	7,100	1/31/81	3.9	8.1	10.8	21.0	6.9
Disaster Peak	6,500	1/31/81	2.0	-	6.4	-	-
Dismal Swamp #2 (CA)	7,050	1/31/81	5.6	-	16.0	-	-
Ferguson Ranch	5,560	1/29/81	1.8	-	-	-	-
49 Mountain	6,000	1/29/81	1.5	-	-	-	-
Mt. Bidwell (CA)	7,240	Not Surveyed	-	-	-	-	-
All data are provisional except Ferguson Ranch, Fry Canyon, 49 Mountain, Hole-in-the-Rock, and Radio Flat.							



AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

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Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U. S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

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UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*